

Project Name: Dandaragan land resources survey
Project Code: DAN **Site ID:** 0851 **Observation ID:** 1
Agency Name: Agriculture Western Australia

Site Information

Desc. By:	B. Purdie	Locality:	
Date Desc.:	16/05/96	Elevation:	No Data
Map Ref.:		Rainfall:	No Data
Northing/Long.:	6606122 AMG zone: 50	Runoff:	No Data
Easting/Lat.:	378673 Datum: AGD84	Drainage:	Well drained

Geology

ExposureType:	Soil pit	Conf. Sub. is Parent. Mat.:	No Data
Geol. Ref.:	No Data	Substrate Material:	No Data

Land Form

Rel/Slope Class:	Undulating rises 9-30m 3-10%	Pattern Type:	Low hills
Morph. Type:	Upper-slope	Relief:	No Data
Elem. Type:	Hillslope	Slope Category:	No Data
Slope:	3 %	Aspect:	270 degrees

Surface Soil Condition Firm

Erosion:

Soil Classification

Australian Soil Classification:		Mapping Unit:	N/A
Melanic Paralithic Supracalcic Calcarosol		Principal Profile Form:	N/A
ASC Confidence:		Great Soil Group:	N/A
All necessary analytical data are available.			

Site Complete clearing. Pasture, native or improved, cultivated at some stage

Vegetation:

Surface Coarse ; 0-2%, , subrounded, Limestone

Profile

A1	0 - 0.2 m	Black (10YR2/1-Moist); ; Loam; Moderate grade of structure, 10-20 mm, Polyhedral; Rough-ped fabric;
		Moist; 20-50%, cobbly, 60-200mm, angular, Limestone, coarse fragments; Soil matrix is Very highly calcareous; Field pH 8.1 (pH meter); Sharp, Irregular change to -
C	0.2 - 0.9 m	White (2.5Y8/2-Moist); ; Dry; Soil matrix is Very highly calcareous;

Morphological Notes

A1 Earthworms in A horizon--horizon depth varies between 5 cm and 35 cm

Observation Notes

Site Notes

photos also include roll 18; 36-35

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Laboratory Test Results:

Depth	pH	1:5 EC	Ca	Exchangeable Mg	Cations K	Na	Exchangeable Acidity	CEC	ECEC	ESP
m		dS/m				Cmol (+)/kg				%
0 - 0.2	7.5B 8H	42B	28.1E	1.26	1.54	0.34		30B	31.24D	1.13
0 - 0.2	7.5B 8H	42B	28.1E	1.26	1.54	0.34		30B	31.24D	1.13
0.02 - 0.06										
0.2 - 0.9	8B 9H	21B	7.26E	1.47	0.34	0.62		10B	9.69D	6.20
0.2 - 0.9	8B 9H	21B	7.26E	1.47	0.34	0.62		10B	9.69D	6.20

Depth	CaCO3	Organic C	Avail. P	Total P	Total N	Total K	Bulk Density	Particle Size	Analysis
m	%	Clay %	mg/kg	%	%	%	Mg/m3	GV CS FS	Silt
0 - 0.2	17C	4.64D		2088B	0.545E				17.4
16.5									
0 - 0.2	17C	4.64D		2088B	0.545E				17.4
16.5									
0.02 - 0.06							1.02		
0.2 - 0.9	67C	0.27D		948B	0.028E				26
29.8									
0.2 - 0.9	67C	0.27D		948B	0.028E				26
29.8									

Laboratory Analyses Completed for this profile

15_NR_BSa	Exchangeable bases (Ca++) - meq per 100g of soil - Auto calculated from available
15_NR_CMV	Exchangeable bases (Ca/Mg ratio) - Not recorded
15C1_CA	Exchangeable bases (Ca2+,Mg2+,Na+,K+) - alcoholic 1M ammonium chloride at pH 8.5,
pretreatment for	soluble salts
15C1_CEC	CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for soluble salts
15C1_K	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_MG	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15C1_NA	Exchangeable bases and CEC - alcoholic 1M ammonium chloride at pH 8.5, pretreatment for
soluble salts	
15J_BASES	Sum of Bases
15L1_a	Exchangeable bases Base saturation percentage (BSP) - Auto calculated from available using
Sum of Cations	and measured clay
15N1_a	Exchangeable sodium percentage (ESP) - Auto calculated from available using CEC
15N1_b	Exchangeable sodium percentage (ESP) - Auto calculated from available using Sum of Cations
18A1_NR	Bicarbonate-extractable potassium (not recorded)
19B_NR	Calcium Carbonate (CaCO3) - Not recorded
3_NR	Electrical conductivity or soluble salts - Not recorded
4_NR	pH of soil - Not recorded
4B1	pH of 1:5 soil/0.01M calcium chloride extract - direct
6A1_UC	Organic carbon (%) - Uncorrected Walkley and Black method
7A1	Total nitrogen - semimicro Kjeldahl, steam distillation
9A3	Total Phosphorus (ppm) - semimicro kjeldahl, automated colour
9B_NR	Bicarbonate-extractable phosphorus (not recorded)
9H1	Anion storage capacity
P10_1m2m	1000 to 2000u particle size analysis, (method not recorded)
P10_20_75	20 to 75u particle size analysis, (method not recorded)

P10_75_106	75 to 106u particle size analysis, (method not recorded)
P10_gt2m	> 2mm particle size analysis, (method not recorded)
P10_NR_C	Clay (%) - Not recorded

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P10_NR_Saa	Sand (%) - Not recorded arithmetic difference, auto generated
P10_NR_Z	Silt (%) - Not recorded
P10106_150	106 to 150u particle size analysis, (method not recorded)
P10150_180	150 to 180u particle size analysis, (method not recorded)
P10180_300	180 to 300u particle size analysis, (method not recorded)
P10300_600	300 to 600u particle size analysis, (method not recorded)
P106001000	600 to 1000u particle size analysis, (method not recorded)
P3A_NR	Bulk density - Not recorded